## **AMENDMENTS TO THE CLAIMS**

Please amend claim 1 and add claims 7-21, as set forth in the following listing of claims, which will replace all prior versions, and listings, of claims in the present application.

## **Listing of Claims**

1. (CURRENTLY AMENDED) A fuel cell, comprising:

a pair of separators;

a membrane electrode assembly including an electrolyte membrane and an anode and a cathode disposed at both sides of said electrolyte membrane, said membrane electrode assembly being held by said pair of separators;

a sealing member disposed between said membrane electrode assembly and <u>a first of said</u> pair of separators, <u>said sealing member including a circumferential portion surrounding at least a portion of the circumference of the first separator</u>, and an extended portion seamlessly connected to and extending from the circumferential portion over a surface of the separator; and

a reactant gas channel disposed between said membrane electrode assembly and one of said pair of first separator, said extended portion extending along a significant portion of said gas channel in order to direct the flow of a fluid flowing therealong a part of said reactant gas channel being formed seamlessly by a part of said sealing member.

- 2. (Original) A fuel cell according to claim 1, wherein said pair of separators is formed from a metal thin plate.
- 3. (Original) A fuel cell according to claim 1, wherein said reactant gas channel has a turning portion, and a boundary portion of said turning portion is constituted by at least a part of said sealing member.
- 4. (Original) A fuel cell according to claim 2, wherein said reactant gas channel has a turning portion, and a boundary portion of said turning portion is constituted by at least a part of said sealing member.

- 5. (Previously Presented) A fuel cell according to claim 1, wherein said reactant gas channel has a turning portion and a linear portion, and said sealing member extends to said linear portion.
- 6. (Previously Presented) A fuel cell according to claim 1, wherein said sealing member has an extended portion, and a protruding member is provided in parallel with said extended portion so that a part of said reactant gas channel is formed between said extended portion and said protruding member.
- 7. (New) A fuel cell according to claim 1, wherein said gas channel includes a plurality of surface features, and wherein said extended portion of said sealing member extends between adjacent surface features.
- 8. (New) A fuel cell according to claim 1, wherein said extended portion of said sealing member forms a boundary portion for directing flow of the fluid along a significant portion of the reactant gas channel.
- 9. (New) A fuel cell according to claim 8, wherein said extended portion of said sealing member when extending along said reactant gas channel operates as a boundary portion in order to form a U-shaped gas channel for directing the fluid therealong.
- 10. (New) A fuel cell according to claim 9, further comprising a plurality of extended portions to form a plurality of U-shaped gas channels.
- 11. (New) A fuel cell according to claim 1, wherein said gas channel comprises a plurality of passage units spaced apart from each other, wherein each of said plurality of passage units includes a plurality of surface features.
- 12. (New) A fuel cell according to claim 11, wherein said extended portion of said sealing member extends between a pair of said plurality of passage units.
- 13. (New) A fuel cell according to claim 1, wherein said reactant gas channel comprises a plurality of grooves.

- 14. (New) A fuel cell according to claim 13, wherein said extended portion of said sealing member extends between adjacent grooves.
- 15. (New) A fuel cell according to claim 1, wherein said reactant gas channel comprises a plurality of protrusions.
- 16. (New) A fuel cell according to claim 15, wherein said extended portion of said sealing member extends between adjacent protrusions.
- 17. (New) A fuel cell, comprising:
  - a pair of separators;
- a membrane electrode assembly including an electrolyte membrane and an anode and a cathode disposed at both sides of said electrolyte membrane, said membrane electrode assembly being held by said pair of separators;
- a sealing member disposed between said membrane electrode assembly and a first separator of said pair of separators, said sealing member including a circumferential portion surrounding a circumference of a first separator of said pair of separators and an extended portion extending seamlessly from said circumferential portion in a longitudinal direction; and
- a reactant gas channel disposed between said membrane electrode assembly and said first separator, wherein the extended portion of the sealing member extends between a first surface feature on said first separator and a second surface feature on said first separator to form a part of said reactant gas channel.
- 18. (New) The fuel cell of claim 17, wherein the extended portion separates a first linear portion of the reactant gas channel from a second linear portion of the reactant gas channel.
- 19. (New) The fuel cell of claim 18, wherein a connecting path for connecting the first linear portion and the second linear portion is formed between an end of the extended portion and the circumferential portion of the sealing member.

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20. (New) The fuel cell of claim 17, wherein the first surface feature and the second surface feature each comprise a groove.

21. (New) The fuel cell of claim 17, wherein the first surface feature and the second surface feature each comprise a protruding member.